

An Vo

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M.S. student @ [Korea Advanced Institute of Science & Technology \(KAIST\)](#)
291 Daehak-ro, Yuseong District, Daejeon, South Korea





BIOGRAPHY

An is a second-year M.S. student at [Korea Advanced Institute of Science & Technology \(KAIST\)](#), working with Professor [Daeyoung Kim](#) and Professor [Anh Totti Nguyen](#). His M.S. program is fully funded by the [Hyundai CMK Global Scholarship](#), a prestigious fully funded program for top Southeast Asian students. Prior to joining KAIST, An obtained his B.S. degree as the valedictorian at the [University of Information Technology \(UIT\), Vietnam National University - Ho Chi Minh City \(VNU-HCM\)](#) in 2023, where he worked with Dr. [Ngoc Hoang Luong](#). An is broadly interested in Large Language Models (LLMs) and Vision Language Models (VLMs), especially in making them more trustworthy and explainable in rare/hard cases. His works have been accepted at top venues: ICML, AACL, GECCO, etc.

EDUCATION

- **Korea Advanced Institute of Science & Technology (KAIST)** 
M.S. in Computer Science | Advisors: [Daeyoung Kim](#), [Anh Totti Nguyen](#) Feb 2024 – Feb 2026
Daejeon, South Korea
- **University of Information Technology (UIT), Vietnam National University HCMC** 
B.S. in Computer Science | Advisor: [Ngoc Hoang Luong](#) Aug 2019 – Apr 2023
Ho Chi Minh City, Vietnam
 - GPA: 9.32/10 (Valedictorian, #1)
 - Thesis: Many-Objective Evolutionary Neural Architecture Search with Performance Predictors (10/10, **Best Thesis**)
- **Phan Ngoc Hien High School for the Gifted** 
Specialized in Mathematics and Informatics Aug 2016 – Jul 2019
Ca Mau, Vietnam

EXPERIENCE

- **Korea Advanced Institute of Science & Technology (KAIST)** 
Graduate Research Assistant Feb 2024 – Present
Daejeon, South Korea
 - Conducting research broadly in LLMs/VLMs.
- **University of Information Technology (UIT), Vietnam National University HCMC** 
Undergraduate Research Assistant Apr 2020 – Jan 2024
Ho Chi Minh City, Vietnam
 - Conducted research on Evolutionary Computation, Neural Architecture Search (NAS), Vehicle Routing Problem, and Multi-Objective Optimization.
 - Developed novel algorithms to enhance the efficiency of NAS using evolutionary strategies and optimization algorithms.
- **ZaloPay, VNG Corporation** 
Associate Data Scientist Jul 2023 – Sep 2023
Ho Chi Minh City, Vietnam
 - Worked on customer lifetime value (CLV) modeling to provide actionable insights for the business team.
 - Developed predictive models to improve customer retention and optimize marketing strategies.
- **Eximbank** 
Developer May 2023 – Jul 2023
Ho Chi Minh City, Vietnam
 - Assisted in developing financial software solutions to enhance banking operations.

PUBLICATIONS

C=CONFERENCE, J=JOURNAL, P=PREPRINT, U=UNDER REVIEW

* indicates equal contribution.

Conference papers

- [C.1] [An Vo](#), Mohammad Reza Taesiri, Daeyoung Kim, Anh Totti Nguyen (2025). B-score: Detecting biases in large language models using response history. *Forty-Second International Conference on Machine Learning (ICML 2025)*. [\[pdf\]](#) [project website](#)
- [C.2] Thao Do, Dinh Phu Tran, [An Vo](#), Daeyoung Kim (2025). Reference-Based Post-OCR Processing with LLM for Precise Diacritic Text in Historical Document Recognition. *Annual AAAI Conference on Artificial Intelligence (AAAI)*. [\[pdf\]](#) [code](#) [dataset](#)
- [C.3] [An Vo](#), Ngoc Hoang Luong (2024). Efficient Multi-Objective Neural Architecture Search via Pareto Dominance-based Novelty Search. *Genetic and Evolutionary Computation Conference (GECCO)*. [\[pdf\]](#) [code](#)
- [C.4] Nhat Minh Le*, [An Vo](#)*, Ngoc Hoang Luong (2024). Zero-Cost Proxy-Based Hierarchical Initialization for Evolutionary Neural Architecture Search. *IEEE Congress on Evolutionary Computation (CEC)*. [\[pdf\]](#)

[C.5] Khoa Huu Tran, Luc Truong, [An Vo](#), Ngoc Hoang Luong (2023). Accelerating Gene-pool Optimal Mixing Evolutionary Algorithm for Neural Architecture Search with Synaptic Flow. *Genetic and Evolutionary Computation Companion Conference (GECCO Companion)*. [[pdf](#) | [code](#)]

[C.6] [An Vo](#), Tan Ngoc Pham, Van Bich Nguyen, Ngoc Hoang Luong (2022). Training-Free Multi-Objective and Many-Objective Evolutionary Neural Architecture Search with Synaptic Flow. *International Symposium on Information and Communication Technology (SoICT)*. **Best Paper Award**. [[pdf](#) | [code](#)]

Journal papers

[J.1] Ngoc Hoang Luong, Quan Minh Phan, [An Vo](#), Tan Ngoc Pham, Dzung Tri Bui (2024). Lightweight Multi-Objective Evolutionary Neural Architecture Search with Low-Cost Proxy Metrics. *Information Sciences*. [[pdf](#) | [code](#)]

[J.2] [An Vo](#), Tan Ngoc Pham, Van Bich Nguyen, Ngoc Hoang Luong (2023). Lightweight Multi-Objective and Many-Objective Problem Formulations for Evolutionary Neural Architecture Search with the Training-Free Performance Metric Synaptic Flow. *Informatica*. [[pdf](#) | [code](#)]

Preprint

[P.1] [An Vo*](#), Khai-Nguyen Nguyen*, Mohammad Reza Taesiri, Vy Tuong Dang, Anh Totti Nguyent†, Daeyoung Kim† (2025). Vision Language Models are Biased. (Front-page, Top-5 Hacker News) [[pdf](#) | [project website](#)]

[P.2] Vy Tuong Dang*, [An Vo*](#), Quang Tau, Duc Dm, Daeyoung Kim (2025). ViExam: Are Vision Language Models Better than Humans on Vietnamese Multimodal Exam Questions? [[pdf](#) | [project website](#)]

[P.3] [An Vo](#), Nhat Minh Le, Ngoc Hoang Luong (2024). Efficient Multi-Objective Neural Architecture Search via Tree Search with Training-Free Metrics.

GRANTS AND FELLOWSHIPS

In M.S. Program

- 2025: Hyundai CMK Global Scholarship of Excellence (for ICML 2025 paper acceptance) – \$2200
- 2025: Hyundai CMK International Symposium Scholarship (ICML 2025 travel grant) – \$1500
- 2025: Cohere Labs Research Grant (with Vy Tuong Dang) – \$2,000
- 2025: Together AI Research Grant – \$150
- 2024: OpenAI Research Grant – \$2,500
- 2024: Cohere For AI Research Grant – \$1,000
- 2024–2026: KAIST Fellowship – \$22,000 (estimated total value)
- 2024–2026: Hyundai Chung-Mong Koo Global Scholarship – \$45,000 (estimated total value)

In B.S. Program

- 2022–2023: Incentive for Scientific Publications – \$100
- 2019–2023: University of Information Technology, VNU-HCM Merit Scholarships – \$3,600 (estimated total value)

In High School

- 2016–2019: Incentive for Participation and Awards in High School Olympiads – \$1,000 (estimated total value)

SELECTED HONORS AND AWARDS

In B.S. Program

- 2023: **Valedictorian** of the B.S. Program
- 2023: Excellent Graduate of the B.S. Program
- 2022: **Best Paper Award** at the International Symposium on Information and Communication Technology (SoICT)
- 2022: Ho Chi Minh City Outstanding Youth
- 2022: Award for Outstanding Scientific Research Publications
- 2019: Top 100 Student Leaders of Ho Chi Minh City
- 2019–2023: Recognized for Excellence in Academics and Personal Development

In High School

- 2019: Consolation Prize in the Provincial Science and Engineering Fair
- 2018: First Prize in the Provincial Youth Informatics Competition
- 2018: First Prize in the Provincial English-Language Science and Engineering Competition in Informatics
- 2018–2019: Competed in the National Olympiad in Informatics (VOI) x2
- 2017–2018: Second Prize in the Provincial Olympiad in Informatics x2
- 2017: Bronze Medal in the Summer Olympiad in the Mekong Delta in Informatics
- 2017: Bronze Medal in the April 30th Olympiad in Informatics
- 2017: Consolation Prize in the Provincial Physics Olympiad via Internet

SELECTED PRESS COVERAGE

In B.S. Program

- 2024: UIT News – [Recipient of Master’s Scholarship at Top Korean Research Institute: "Choosing UIT was my crucial and unforgettable turning point"](#)
- 2024: UIT Cafe – ["Is Studying Abroad the Ultimate Destination?"](#) (in Vietnamese)
- 2023: **Tien Phong** – [Valedictorian Graduating with Excellence and Passion for Science](#) (in Vietnamese)
- 2023: **Thanh Nien** – [The Valedictorian Who Persisted in Academia to ‘Gain Freedom in Will and Time’](#) (in Vietnamese)
- 2023: UIT News – [Meet the Computer Science Student with Outstanding Achievements](#) (in Vietnamese)
- 2023: **Dan Tri** – [Meager Salary, Drowning in Debt – A Female Teacher Dreams of Earning Billions in Australia](#) (in Vietnamese)
- 2023: **Tuoi Tre** – [Ho Chi Minh City Leaders Dialogue with Outstanding Students: Opening Space for Gen Z Officials](#) (in Vietnamese)
- 2023: **VnExpress** – [Students Offer Solutions for Ho Chi Minh City to Attract Talent](#) (in Vietnamese)
- 2022: **Tien Phong** – [Two Students Receive ‘Best Paper Award’ at International Conference on ICT](#) (in Vietnamese)
- 2022: **Tuoi Tre** – [Applying AI to History Education](#) (in Vietnamese)

In High School

- 2018: Dat Mui – [108 Students Compete in the Provincial Youth Informatics Competition](#) (in Vietnamese)

MENTORING

Undergraduate Students at University of Information Technology, Vietnam National University–Ho Chi Minh City

- **Khoa Huu Tran** (Oct 2022 – Jan 2024) – GECCO Late-Breaking Abstract Paper [[Published in \[C.5\]](#)]
- **Luc Truong** (Oct 2022 – Jan 2024) – GECCO Late-Breaking Abstract Paper [[Published in \[C.5\]](#)]
- **Minh Le** (Oct 2022 – Feb 2023) – IEEE CEC Paper [[Published in \[C.4\]](#)]
- **Vy Tuong Dang** (Dec 2021 – Present) – KAIST Scholarship for M.S. Program (Full Tuition Fee & Stipend)

PROFESSIONAL SERVICE

- **Conference Reviewer/Program Committee:** [AAAI 2026](#), [BMVC 2025](#), [IEEE CEC 2024](#), [IEEE CEC 2025](#), [IJCNN 2025](#)
- **Journal Reviewer:** [IEEE Transactions on Evolutionary Computation](#) (IF = 11.7), [IEEE Transactions on Industrial Informatics](#) (IF = 11.7), [IEEE Transactions on Systems, Man and Cybernetics: Systems](#) (IF = 8.7)

TALKS

- 2024: **AutoID Labs Asia Workshop 2024** – Efficient Multi-Objective Neural Architecture Search via Pareto Dominance-based Novelty Search.
- 2022: **SoICT 2022** – Training-Free Multi-Objective and Many-Objective Evolutionary Neural Architecture Search with Synaptic Flow.
- 2022: **Vietnam Youth Academy** – University Learning Methods in the Context of Digital Transformation
- 2022: **Ho Chi Minh City Youth Symposium Proud of Vietnamese History** – [Applying AI in History Education](#)

SELECTED CERTIFICATES

- 2021: Computational Thinking for Problem Solving – University of Pennsylvania, Coursera
- 2021: Linear Algebra for Machine Learning and Data Science – DeepLearning.AI, Coursera
- 2021: Python for Data Science and AI – IBM, Coursera
- 2021: Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization – DeepLearning.AI, Coursera
- 2021: Neural Networks and Deep Learning – DeepLearning.AI, Coursera
- 2021: Fundamentals of Reinforcement Learning – University of Alberta, Coursera
- 2021: Sample-based Learning Methods – University of Alberta, Coursera
- 2020: How Google Does Machine Learning – Google Cloud, Coursera
- 2020: What is Data Science? – IBM, Coursera
- 2020: Basic Statistics – University of Amsterdam, Coursera
- 2020: Machine Learning – Andrew Ng, Stanford University, Coursera

REFERENCES

1. **Dr. Anh Totti Nguyen**
Associate Professor, Auburn University
anh.ng8 at gmail.com
2. **Dr. Daeyoung Kim**
Full Professor, KAIST
kind at kaist.ac.kr
3. **Dr. Ngoc Hoang Luong**
Lecturer & Head of AI Department, University of Information Technology, Vietnam National University HCMC
hoangln at uit.edu.vn